OK to Enter
PIP 4/6/05

3

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended): A method for increasing the throughput of a data converter decision, comprising the steps of:

initiating a data conversion operation of analog signals on an analog signal input on a data converter by sampling the analog signals on the analog signal input and then converting the sampled analog signals to digital data with a predetermined data conversion algorithm in a data conversion operation;

comparing the digital output of the data converter to a threshold; and

when the output of the data converter is determined by the step of comparing meets a predetermined relationship relative to the threshold, terminating the data conversion operation prior to the complete execution of the data conversion operation on the sampled analog signals .

2.(Original): The method of Claim 1, wherein the predetermined data conversion algorithm requires a plurality of steps to perform the data conversion operation to full resolution and wherein less than full resolution is achieved when the output of the data converter is determined by the step of comparing to meet a predetermined relationship.

3. (Original): The method of Claim 1, wherein the data conversion algorithm operates over a conversion cycle from the initiation of the data sampling operation to completion thereof at full resolution, and the step of terminating the data conversion operation comprises the step of decreasing the length of the conversion cycle.